

MILITARY SPECIFICATION

CONNECTORS, RECEPTACLE, ELECTRICAL
WATERPROOF
(SHELL SIZE 26, MALE INSERTS)

1. SCOPE

1.1 Scope.- This specification covers the detail requirements for the following types of shell-size 26, waterproof, electrical-receptacle connectors with male inserts:

UW2026MCOO
UW2026MDOO
UW2026MEOO
UW2026MFOO
UW2026MGOO

1.2 Ratings.- Connectors covered by this specification shall have the electrical ratings specified in table 1.

Table 1 - Electrical ratings

Connector type	Limiting operating voltage (sea level)		Nominal current
	AC	DC	Amperes
UW2026MCOO	900	1,250	22
UW2026MDOO	500	700	22
UW2026MEOO	500	700	11
UW2026MFOO	500	700	11
UW2026MGOO	900	1,250	73

2. APPLICABLE DOCUMENTS

2.1 The following specifications, of the issue in effect on date of invitation for bids, form a part of this specification:

SPECIFICATIONS

FEDERAL

QQ-B-613	Brass, Leaded and Non-Leaded; Plate, Rolled Bar, Sheet and Strip.
QQ-P-416	Plating, Cadmium (Electrodeposited).

MILITARY

MIL-C-12520	Connectors, Plug and Receptacle (Electrical, Waterproof); and Accessories; General Specification for.
MIL-C-12520/3A	Connectors, Plug, Electrical, Waterproof (Cathedral Shape, Shell Size 26, Female Inserts).

(Copies of specifications required by contractors in connection with specific procurement functions should be obtained from the procuring agency or as directed by the contracting officer.)

3. REQUIREMENTS

3.1 Requirements.- Requirements shall be in accordance with Specification MIL-C-12520, and as specified herein.

3.2 Design and construction.- Connectors shall be of the design, construction, and physical dimensions specified on figure 1.

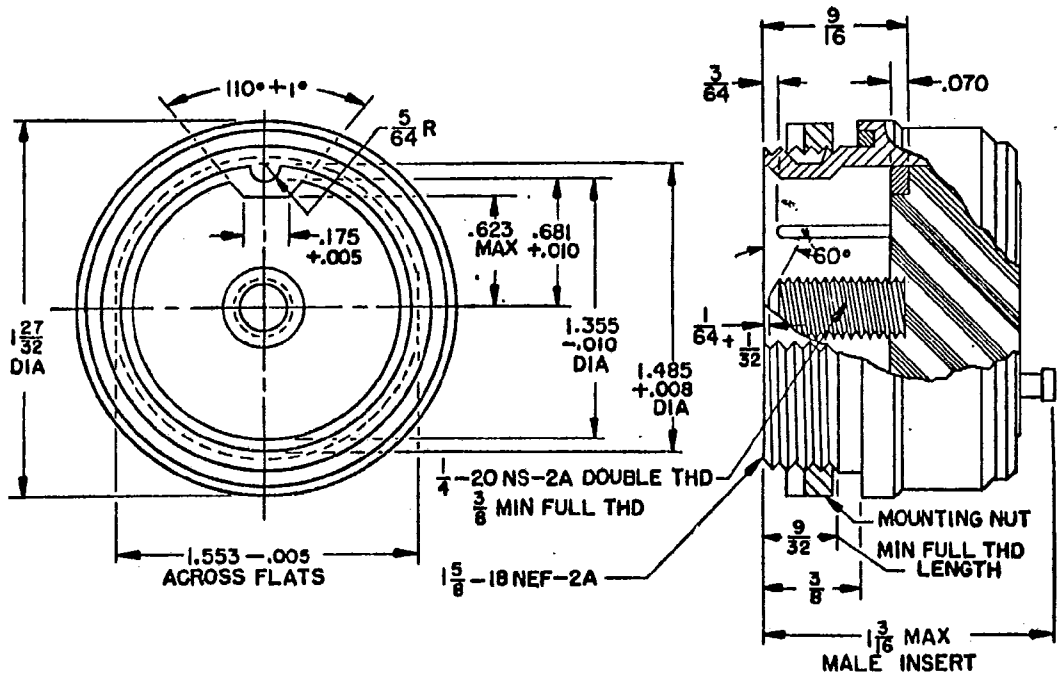
3.2.1 Mounting nut.- The mounting nut shall be of the dimensions specified on figure 2. Material shall be brass conforming to Specification QQ-B-613, and shall be cadmium plated conforming to class 1, type II, of Specification QQ-P-416. The resulting finish shall be olive drab in color.

3.3 Marking.- Marking shall be in accordance with Specification MIL-C-12520, except that connectors shall be marked with letters approximately 1/8 inch high.

4. QUALITY ASSURANCE PROVISIONS

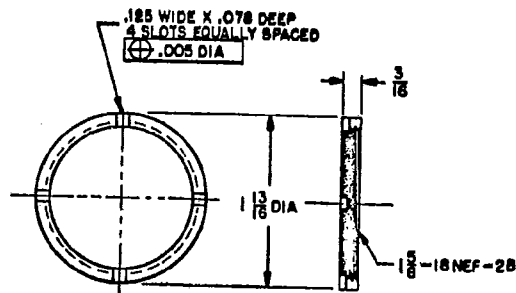
4.1 Sampling and inspection.- Sampling and inspection shall be in accordance with Specification MIL-C-12520, and as specified herein.

4.2 Test and mating plugs.- The test and mating plugs shall be in accordance with Specification MIL-C-12520/3A.



1. All dimensions in inches.
2. Unless otherwise specified, tolerances are $\pm \frac{1}{64}$ on fractions, $\pm .005$ on decimals, and $\pm 2^\circ$ on angles.

FIGURE 1. Receptacle shell and insert dimensions



1. All dimensions in inches.
2. Unless otherwise specified, tolerances are $\pm 1/4$ on fractions and $\pm .005$ on decimals.

FIGURE 2. Mounting nut dimensions

4.3 Dielectric withstanding voltage.- Connectors with insert-arrangements C and G shall be subjected to a test potential of 2,800 volts root mean square (rms). Connectors with insert-arrangements D, E, and F shall be subjected to a test potential of 2,800 volts.

5. PREPARATION FOR DELIVERY

5.1 Preparation for delivery shall be in accordance with Specification MIL-C-12520.

6. NOTES

6.1 Notes.- In addition to the notes specified herein, the notes specified in Specification MIL-C-12520 are applicable to this specification.

6.2 Mating plug connectors.- Mating plug connectors are in accordance with Specification MIL-C-12520/3A.

6.2.1 Cover and chain assemblies.- Cover and chain assemblies are in accordance with style 1N of Specification MIL-C-12520/13A "Cover and Chain Assemblies (Internal Threads, for Use on Waterproof Connectors)".

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CUSTODIAN

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Preparing activity

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